

**This Page Is Inserted by IFW Operations
and is not a part of the Official Record**

BEST AVAILABLE IMAGES

**Defective images within this document are accurate representation of
The original documents submitted by the applicant.**

Defects in the images may include (but are not limited to):

- **BLACK BORDERS**
- **TEXT CUT OFF AT TOP, BOTTOM OR SIDES**
- **FADED TEXT**
- **ILLEGIBLE TEXT**
- **SKEWED/SLANTED IMAGES**
- **COLORED PHOTOS**
- **BLACK OR VERY BLACK AND WHITE DARK PHOTOS**
- **GRAY SCALE DOCUMENTS**

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Tables and Figures Corresponding to Recent Experiments by Christopher A. Bertelo

TABLE 1
Whiteness Index Values for Stabilizer Combinations: T₁ and Organotin-borate

Sulfur Compounds	T ₁ + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoethyl stearate (MES)	40.3*	-13.7
2-mercaptoethyl octanoate (MEO)	45.7	-9.5
octadecyl mercaptoacetate (ODMA)	9.2	-22.6

Note: The *higher* the number, the better the result.

* Results in bold pertain to claimed combinations.

FIGURE 1
Whiteness Index Values for Stabilizer Combinations: T₁ and Organotin-borate

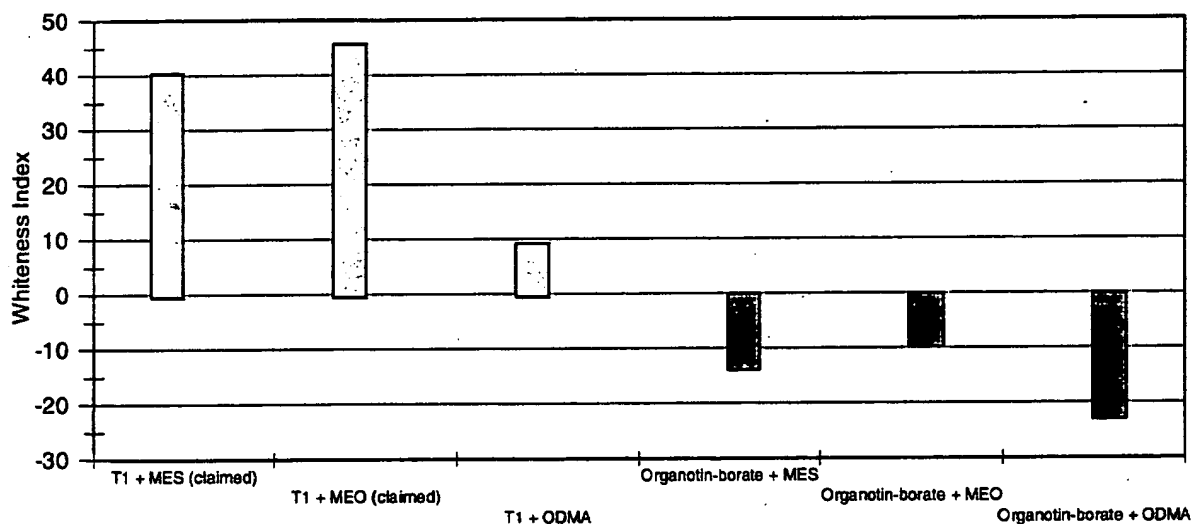


TABLE 2
Yellowness Index Values for Stabilizer Combinations: T₁ and Organotin-borate

Sulfur Compounds	T ₁ + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoethyl stearate (MES)	15.3	34.7
2-mercaptoethyl octanoate (MEO)	13.4	32.6
octadecyl mercaptoacetate (ODMA)	26.1	39.1

Note: The *lower* the number, the better the result.

FIGURE 2
Yellowness Index Values for Stabilizer Combinations: T₁ and Organotin-borate

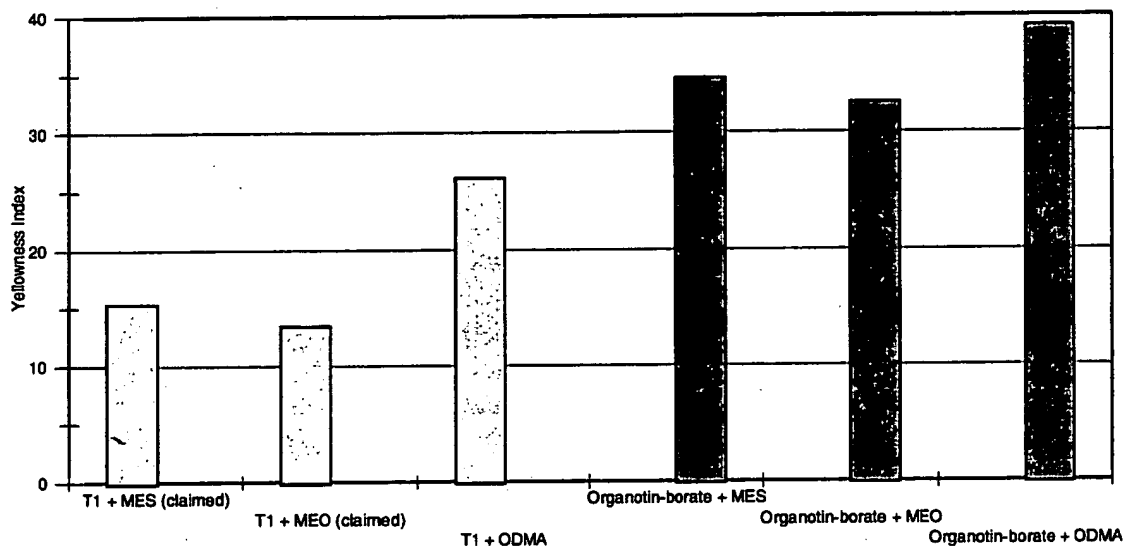


TABLE 3
Whiteness Index Values for Stabilizer Combinations: T₂ and Organotin-borate

Sulfur Compounds	T ₂ (½ tin content) + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoethyl stearate (MES)	5.5	-13.7
2-mercaptoethyl octanoate (MEO)	2.1	-9.5
octadecyl mercaptoacetate (ODMA)	-28.4	-22.6

Note: The *higher* the number, the better the result.

FIGURE 3
Whiteness Index Values for Stabilizer Combinations: T₂ and Organotin-borate

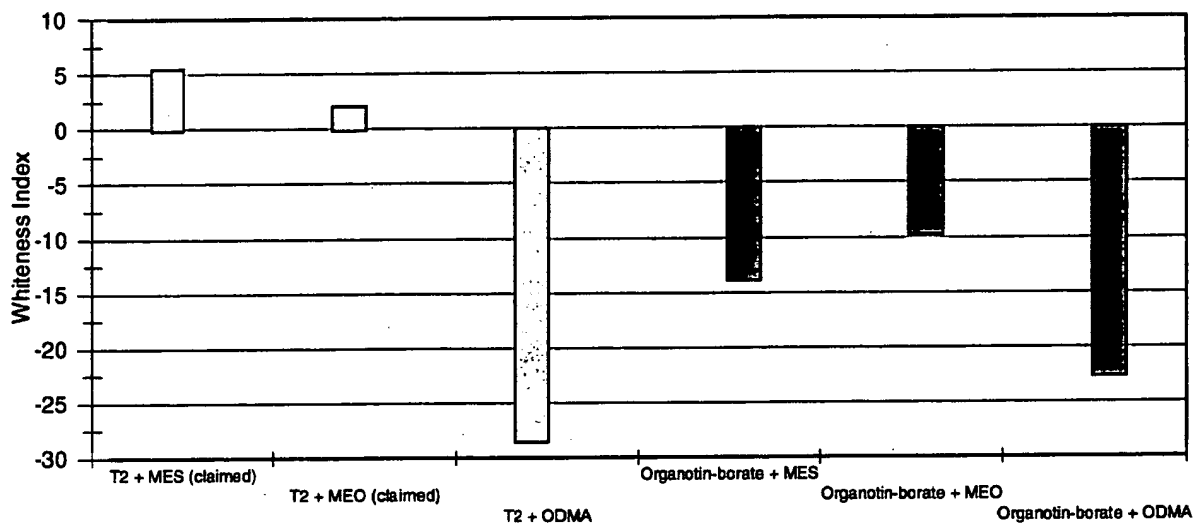


TABLE 4
Yellowness Index Values for Stabilizer Combinations: T₂ and Organotin-borate

Sulfur Compounds	T ₂ (½ tin content) + Sulfur Compound	Organotin-borate + Sulfur Compound
2-mercaptoethyl stearate (MES)	27.7	34.7
2-mercaptoethyl octanoate (MEO)	29.1	32.6
octadecyl mercaptoacetate (ODMA)	42.4	39.1

Note: The *lower* the number, the better the result.

FIGURE 4
Yellowness Index Values for Stabilizer Combinations: T₂ and Organotin-borate

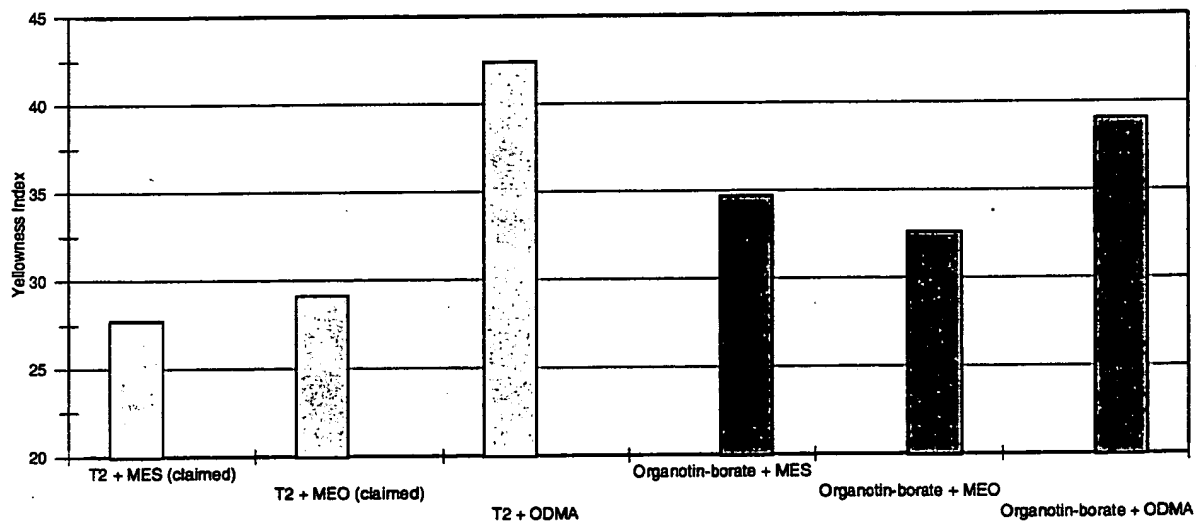


TABLE 5
Whiteness Index Values for Stabilizer Control Experiments

Controls	T ₁	T ₂ (½ tin content)	Organotin-borate
Whiteness Index	19.1	-18.9	-20.1

Note: The *higher* the number, the better the result.

FIGURE 5
Whiteness Index Values for Stabilizer Control Experiments

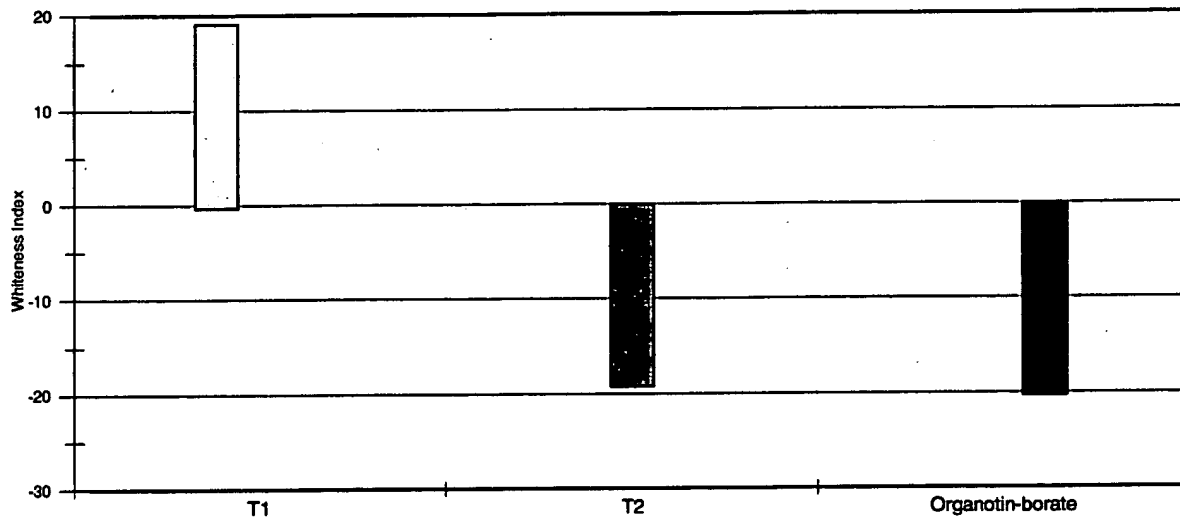


TABLE 6
Yellowness Index Values for Stabilizer Control Experiments

Controls	T ₁	T ₂ (½ tin content)	Organotin-borate
Yellowness Index	23.4	41.4	59.9

Note: The *lower* the number, the better the result.

FIGURE 6
Yellowness Index Values for Stabilizer Control Experiments

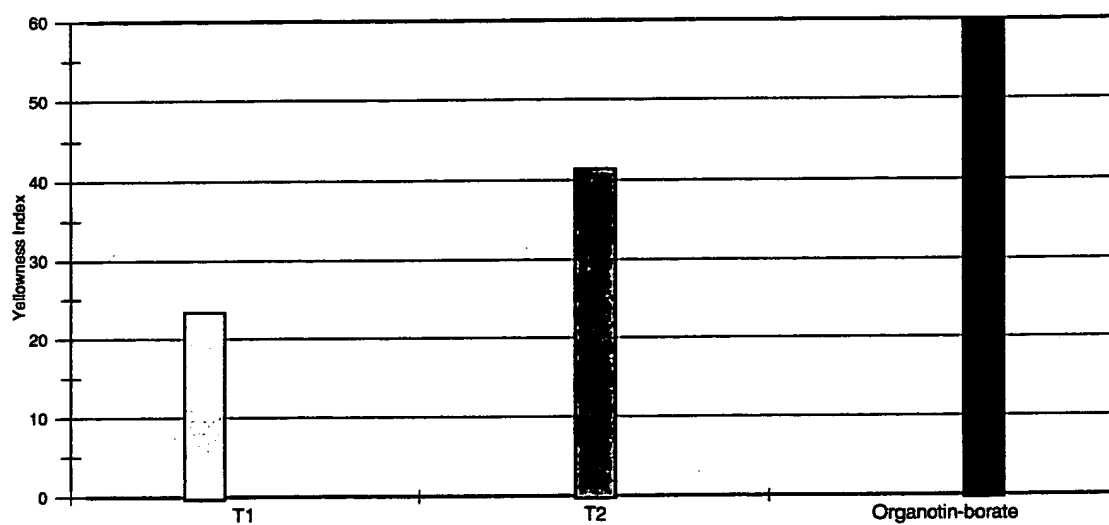
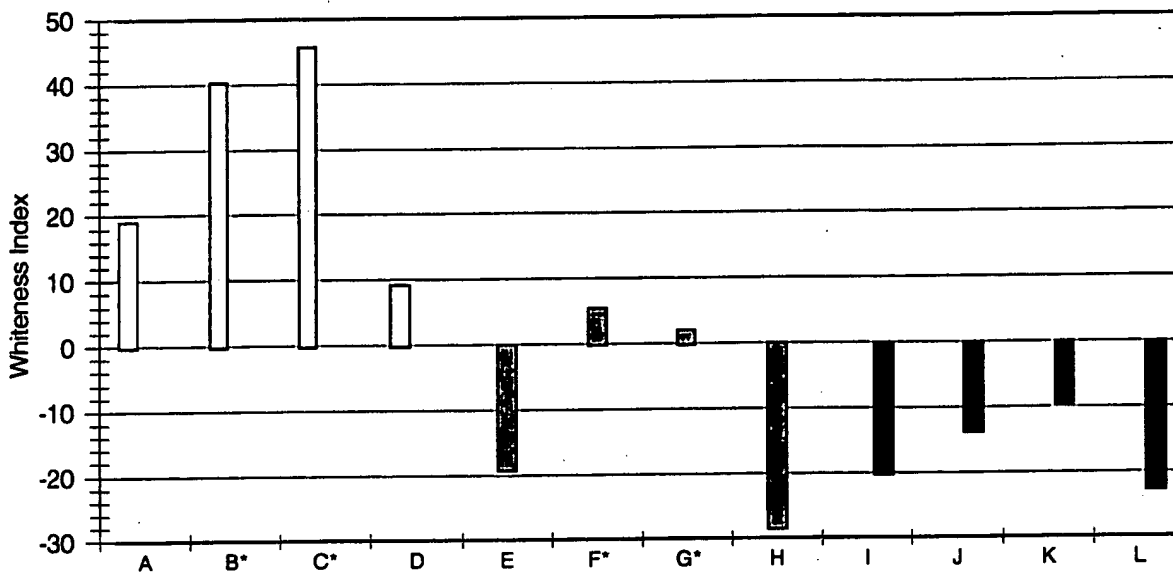


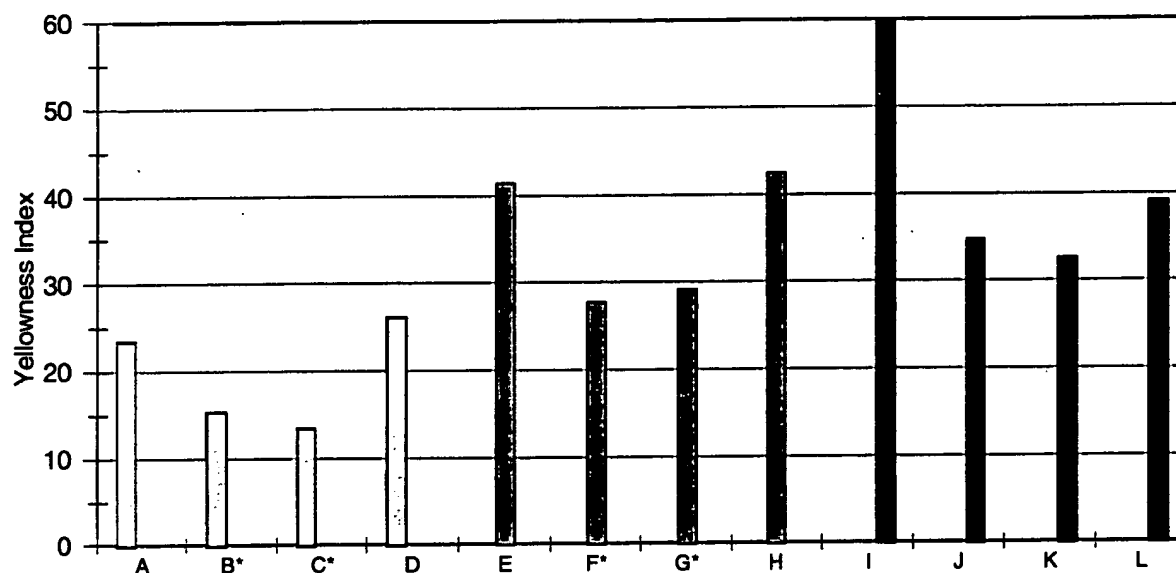
FIGURE 7
Whiteness Index Values for Stabilizer Combinations and Tin Control Stabilizers



A	T ₁	E	T ₂	I	organotin-borate
B*	T ₁ + MES	F*	T ₂ + MES	J	organotin-borate + MES
C*	T ₁ + MEO	G*	T ₂ + MEO	K	organotin-borate + MEO
D	T ₁ + ODMA	H	T ₂ + ODMA	L	organotin-borate + ODMA

Note: an asterisk (*) indicates combinations within the scope of the claims.

FIGURE 8
Yellowness Index Values for Stabilizer Combinations and Tin Control Stabilizers



A	T ₁	E	T ₂	I	organotin-borate
B*	T ₁ + MES	F*	T ₂ + MES	J	organotin-borate + MES
C*	T ₁ + MEO	G*	T ₂ + MEO	K	organotin-borate + MEO
D	T ₁ + ODMA	H	T ₂ + ODMA	L	organotin-borate + ODMA

Note: an asterisk (*) indicates combinations within the scope of the claims.